

04-23-01

A

04/20/01

100-394 U.S. PTO

Please type a plus sign (+) inside this box → ☒

PTO/SB/05 (12/97)

Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

Attorney Docket No.

TI-31429

First Inventor

Title

Keller, et al

Optical Wireless Communication System with  
Multiple Receivers

Express Mail Label No.

EL842426683US

(Only for new nonprovisional applications under 37 CFR 1.53(b))

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ Fee Transmittal Form  
(Submit an original, and a duplicate for fee processing)

2. ☐ Applicant claims small entity status  
See 37 CFR 1.27

3. ☒ Specification [Total Pages **22**]  
(preferred arrangement set forth below)  
- Descriptive title of the Invention  
- Cross References to Related Applications

- Statement Regarding Fed sponsored R & D
- Reference to Microfiche Appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4. ☒ Drawings(s) (35 USC 113) [Total Sheets **5**]  
5. ☒ Oath or Declaration [Total Pages **1**]

a. ☒ Newly executed (original or copy)

b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 17 completed)  
[Note Box 5 below]  
i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).

6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)

a. ☐ Computer Readable Form (CRF)

b. Specification Sequence Listing on:

i. ☐ CD Rom or CD-R (2 copies) ; or

ii. ☐ paper

c. ☐ Statement verifying identity of above copies

**ACCOMPANY APPLICATION PARTS**

9. ☒ Assignment Papers (cover sheet & documents)

10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)

11. ☐ English Translation Document (if applicable)

12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations

13. ☐ Preliminary Amendment

14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized) if still proper and desired

15. ☐ Certified Copy of Priority Documents(s)  
(if foreign priority is claimed)

16. ☐ Other: \_\_\_\_\_

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: \_\_\_\_\_ / \_\_\_\_\_

Prior application information Examiner \_\_\_\_\_ Group/Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference.

**18. CORRESPONDENCE ADDRESS**

☐ Customer Number or Bar Code Label 23494 (Insert Customer No or Attach bar code label here) or ☐ Correspondence address below

NAME	W. James Brady III						
	Texas Instruments. Inc.						
ADDRESS	P.O. Box 655474						
	M/S 3999						
CITY	Dallas	STATE	Texas	ZIP CODE	75265		
COUNTRY	U.S.A.	TELEPHONE	(972)917-5646	FAX	(972)917-4418		

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to compete this form should be sent to the Chief Information Office, patent and Trademark office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington DC 20231.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Keller, et al

Art Unit: TBD

Serial No.: TBD

Examiner: TBD

Filed: Herewith

Docket: TI-31429

For: Optical Wireless Communication System with Multiple Receivers



**Certificate of Mailing via Express Mail**

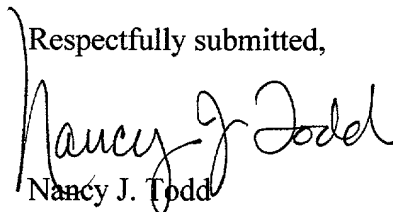
**EXPRESS MAIL** mailing label number: **EL842426683US**

Date of Deposit: **April 20, 2001**

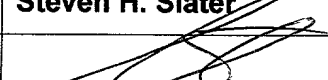
I hereby certify that the following documents, which are enclosed, are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: BOX: Patent Application, Assistant Commissioner for Patents, Washington, DC 20231:

- Utility Patent Application Transmittal (1 page)
- Complete Copy of Patent Application (27 pages), to include:
  - Specification (22 pages)
  - Informal Drawings (5 pages)
- Declaration and Power of Attorney (1 pages)
- Assignment Recordation Cover Sheet (1 page)
- Copy of Original Signed Assignments (1 page)
- Fee Transmittal (1 original and 1 copy)
- Two (2) Return Postcards

Respectfully submitted,

  
Nancy J. Todd

Under the Paperwork Reduction Act of 1995, no persons are required to respond to collection of information unless it displays a valid OMB control number

<b>FEE TRANSMITTAL</b> <b>for FY 2001</b> <small>Patent fees are subject to annual revision</small>		<b>Complete if Known</b>																																																																																																																																																							
		Application Number	TBD																																																																																																																																																						
		Filing Date	Herewith																																																																																																																																																						
		First Named Inventor	Keller																																																																																																																																																						
		Group Art Unit	TBD																																																																																																																																																						
TOTAL AMOUNT OF PAYMENT <b>\$822.00</b>		Examiner Name	TBD																																																																																																																																																						
		Attorney Docket Number	TI-31429																																																																																																																																																						
<b>METHOD OF PAYMENT (check one)</b>		<b>FEE CALCULATION (continued)</b>																																																																																																																																																							
1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:  Deposit Acct. # <b>20-0668</b> Deposit Acct. Name: <b>Texas Instruments, Inc.</b>  <input type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th></th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> <th></th> </tr> </thead> <tbody> <tr> <td>105</td> <td>130</td> <td>205</td> <td>65</td> <td>Surcharge-late filing fee or oath</td> </tr> <tr> <td>127</td> <td>50</td> <td>227</td> <td>25</td> <td>Surcharge-late provisional filing fee or over sheet.</td> </tr> <tr> <td>139</td> <td>130</td> <td>139</td> <td>130</td> <td>Non-English specification</td> </tr> <tr> <td>147</td> <td>2520</td> <td>147</td> <td>2520</td> <td>For filing a request for reexamination</td> </tr> <tr> <td>112</td> <td>920*</td> <td>112</td> <td>920*</td> <td>Requesting publication of SIR prior to Examiner action</td> </tr> <tr> <td>113</td> <td>1840*</td> <td>113</td> <td>1840*</td> <td>Requesting publication of SIR after Examiner action</td> </tr> <tr> <td>115</td> <td>110</td> <td>215</td> <td>55</td> <td>Extension for reply within first month</td> </tr> <tr> <td>116</td> <td>390</td> <td>216</td> <td>195</td> <td>Extension for reply within second month</td> </tr> <tr> <td>117</td> <td>890</td> <td>217</td> <td>445</td> <td>Extension for reply within third month</td> </tr> <tr> <td>118</td> <td>1390</td> <td>218</td> <td>695</td> <td>Extension for reply within fourth month</td> </tr> <tr> <td>128</td> <td>1890</td> <td>228</td> <td>945</td> <td>Extension for reply within fifth month</td> </tr> <tr> <td>119</td> <td>310</td> <td>219</td> <td>155</td> <td>Notice of Appeal</td> </tr> <tr> <td>120</td> <td>310</td> <td>220</td> <td>155</td> <td>Filing a brief in support of an appeal</td> </tr> <tr> <td>121</td> <td>270</td> <td>221</td> <td>135</td> <td>Request for oral hearing</td> </tr> <tr> <td>138</td> <td>1510</td> <td>138</td> <td>1510</td> <td>Petition to institute a public use proceeding</td> </tr> <tr> <td>140</td> <td>110</td> <td>240</td> <td>55</td> <td>Petition to revive-unavoidable</td> </tr> <tr> <td>141</td> <td>1240</td> <td>241</td> <td>620</td> <td>Petition to revive-unintentional</td> </tr> <tr> <td>142</td> <td>1240</td> <td>242</td> <td>620</td> <td>Utility issue fee (or reissue)</td> </tr> <tr> <td>143</td> <td>440</td> <td>243</td> <td>220</td> <td>Design issue fee</td> </tr> <tr> <td>144</td> <td>600</td> <td>244</td> <td>300</td> <td>Plant issue fee</td> </tr> <tr> <td>122</td> <td>130</td> <td>122</td> <td>130</td> <td>Petitions to the Commissioner</td> </tr> <tr> <td>123</td> <td>50</td> <td>123</td> <td>50</td> <td>Petitions related to provisional applications</td> </tr> <tr> <td>126</td> <td>240</td> <td>126</td> <td>240</td> <td>Submission of Information Disclosure Statement</td> </tr> <tr> <td>581</td> <td>40</td> <td>581</td> <td>40</td> <td>Recording each patent assignment per property (x # of properties)</td> </tr> <tr> <td>146</td> <td>710</td> <td>246</td> <td>355</td> <td>Filing a submission after final rejection (37 CFR 1.129(a))</td> </tr> <tr> <td>149</td> <td>760</td> <td>249</td> <td>380</td> <td>For each additional invention to be examined (37 CFR 1.129(b))</td> </tr> <tr> <td>179</td> <td>710</td> <td>279</td> <td>355</td> <td>Request for Continued Examination (RCE)</td> </tr> <tr> <td>169</td> <td>900</td> <td>169</td> <td>900</td> <td>Request for expedited examination of a design application</td> </tr> </tbody> </table>		Large Entity		Small Entity			Fee Code	Fee (\$)	Fee Code	Fee (\$)		105	130	205	65	Surcharge-late filing fee or oath	127	50	227	25	Surcharge-late provisional filing fee or over sheet.	139	130	139	130	Non-English specification	147	2520	147	2520	For filing a request for reexamination	112	920*	112	920*	Requesting publication of SIR prior to Examiner action	113	1840*	113	1840*	Requesting publication of SIR after Examiner action	115	110	215	55	Extension for reply within first month	116	390	216	195	Extension for reply within second month	117	890	217	445	Extension for reply within third month	118	1390	218	695	Extension for reply within fourth month	128	1890	228	945	Extension for reply within fifth month	119	310	219	155	Notice of Appeal	120	310	220	155	Filing a brief in support of an appeal	121	270	221	135	Request for oral hearing	138	1510	138	1510	Petition to institute a public use proceeding	140	110	240	55	Petition to revive-unavoidable	141	1240	241	620	Petition to revive-unintentional	142	1240	242	620	Utility issue fee (or reissue)	143	440	243	220	Design issue fee	144	600	244	300	Plant issue fee	122	130	122	130	Petitions to the Commissioner	123	50	123	50	Petitions related to provisional applications	126	240	126	240	Submission of Information Disclosure Statement	581	40	581	40	Recording each patent assignment per property (x # of properties)	146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))	149	760	249	380	For each additional invention to be examined (37 CFR 1.129(b))	179	710	279	355	Request for Continued Examination (RCE)	169	900	169	900	Request for expedited examination of a design application
Large Entity		Small Entity																																																																																																																																																							
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																						
105	130	205	65	Surcharge-late filing fee or oath																																																																																																																																																					
127	50	227	25	Surcharge-late provisional filing fee or over sheet.																																																																																																																																																					
139	130	139	130	Non-English specification																																																																																																																																																					
147	2520	147	2520	For filing a request for reexamination																																																																																																																																																					
112	920*	112	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																					
113	1840*	113	1840*	Requesting publication of SIR after Examiner action																																																																																																																																																					
115	110	215	55	Extension for reply within first month																																																																																																																																																					
116	390	216	195	Extension for reply within second month																																																																																																																																																					
117	890	217	445	Extension for reply within third month																																																																																																																																																					
118	1390	218	695	Extension for reply within fourth month																																																																																																																																																					
128	1890	228	945	Extension for reply within fifth month																																																																																																																																																					
119	310	219	155	Notice of Appeal																																																																																																																																																					
120	310	220	155	Filing a brief in support of an appeal																																																																																																																																																					
121	270	221	135	Request for oral hearing																																																																																																																																																					
138	1510	138	1510	Petition to institute a public use proceeding																																																																																																																																																					
140	110	240	55	Petition to revive-unavoidable																																																																																																																																																					
141	1240	241	620	Petition to revive-unintentional																																																																																																																																																					
142	1240	242	620	Utility issue fee (or reissue)																																																																																																																																																					
143	440	243	220	Design issue fee																																																																																																																																																					
144	600	244	300	Plant issue fee																																																																																																																																																					
122	130	122	130	Petitions to the Commissioner																																																																																																																																																					
123	50	123	50	Petitions related to provisional applications																																																																																																																																																					
126	240	126	240	Submission of Information Disclosure Statement																																																																																																																																																					
581	40	581	40	Recording each patent assignment per property (x # of properties)																																																																																																																																																					
146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																					
149	760	249	380	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																					
179	710	279	355	Request for Continued Examination (RCE)																																																																																																																																																					
169	900	169	900	Request for expedited examination of a design application																																																																																																																																																					
<b>FEE CALCULATION</b>																																																																																																																																																									
<b>1. BASIC FILING FEE</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th></th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr> <td>101</td> <td>710</td> <td>201</td> <td>355</td> <td>Utility filing fee</td> </tr> <tr> <td>106</td> <td>320</td> <td>206</td> <td>160</td> <td>Design filing fee</td> </tr> <tr> <td>107</td> <td>490</td> <td>207</td> <td>245</td> <td>Plant filing fee</td> </tr> <tr> <td>108</td> <td>710</td> <td>208</td> <td>355</td> <td>Reissue filing fee</td> </tr> <tr> <td>114</td> <td>150</td> <td>214</td> <td>75</td> <td>Provisional fee</td> </tr> <tr> <td colspan="4"></td> <td style="text-align: right;"><b>710.00</b></td> </tr> </tbody> </table>		Large Entity		Small Entity			Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	101	710	201	355	Utility filing fee	106	320	206	160	Design filing fee	107	490	207	245	Plant filing fee	108	710	208	355	Reissue filing fee	114	150	214	75	Provisional fee					<b>710.00</b>																																																																																																																
Large Entity		Small Entity																																																																																																																																																							
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description																																																																																																																																																					
101	710	201	355	Utility filing fee																																																																																																																																																					
106	320	206	160	Design filing fee																																																																																																																																																					
107	490	207	245	Plant filing fee																																																																																																																																																					
108	710	208	355	Reissue filing fee																																																																																																																																																					
114	150	214	75	Provisional fee																																																																																																																																																					
				<b>710.00</b>																																																																																																																																																					
<b>SUBTOTAL (1) \$ 710.00</b>																																																																																																																																																									
<b>2. CLAIMS</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2"></th> <th>Extra claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Total Claims</td> <td><b>24</b></td> <td>-20**= <b>4</b></td> <td>X <b>18</b></td> <td>X <b>72</b></td> </tr> <tr> <td>Independent Claims</td> <td><b>3</b></td> <td>-3**= <b>0</b></td> <td>X <b>80</b></td> <td>X <b>0</b></td> </tr> <tr> <td>Multiple Dependent Claims</td> <td></td> <td></td> <td>X</td> <td>X</td> </tr> </tbody> </table>				Extra claims	Fee from below	Fee Paid	Total Claims	<b>24</b>	-20**= <b>4</b>	X <b>18</b>	X <b>72</b>	Independent Claims	<b>3</b>	-3**= <b>0</b>	X <b>80</b>	X <b>0</b>	Multiple Dependent Claims			X	X																																																																																																																																				
		Extra claims	Fee from below	Fee Paid																																																																																																																																																					
Total Claims	<b>24</b>	-20**= <b>4</b>	X <b>18</b>	X <b>72</b>																																																																																																																																																					
Independent Claims	<b>3</b>	-3**= <b>0</b>	X <b>80</b>	X <b>0</b>																																																																																																																																																					
Multiple Dependent Claims			X	X																																																																																																																																																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th></th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr> <td>103</td> <td>18</td> <td>203</td> <td>9</td> <td>Claims in excess of 20</td> </tr> <tr> <td>102</td> <td>80</td> <td>202</td> <td>40</td> <td>Independent claims in excess of 3</td> </tr> <tr> <td>104</td> <td>270</td> <td>204</td> <td>135</td> <td>Multiple Dependent claims</td> </tr> <tr> <td>109</td> <td>80</td> <td>209</td> <td>40</td> <td>**Reissue independent claims over original patent</td> </tr> <tr> <td>110</td> <td>18</td> <td>210</td> <td>9</td> <td>**Reissue claims in excess of 20 and over original patent</td> </tr> <tr> <td colspan="4"></td> <td style="text-align: right;"><b>72.00</b></td> </tr> </tbody> </table>		Large Entity		Small Entity			Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	103	18	203	9	Claims in excess of 20	102	80	202	40	Independent claims in excess of 3	104	270	204	135	Multiple Dependent claims	109	80	209	40	**Reissue independent claims over original patent	110	18	210	9	**Reissue claims in excess of 20 and over original patent					<b>72.00</b>																																																																																																																
Large Entity		Small Entity																																																																																																																																																							
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description																																																																																																																																																					
103	18	203	9	Claims in excess of 20																																																																																																																																																					
102	80	202	40	Independent claims in excess of 3																																																																																																																																																					
104	270	204	135	Multiple Dependent claims																																																																																																																																																					
109	80	209	40	**Reissue independent claims over original patent																																																																																																																																																					
110	18	210	9	**Reissue claims in excess of 20 and over original patent																																																																																																																																																					
				<b>72.00</b>																																																																																																																																																					
<b>SUBTOTAL (2) \$ 72.00</b>																																																																																																																																																									
		Other fee (specify) _____																																																																																																																																																							
		*Reduced by Basic Filing Fee Paid <b>SUBTOTAL (3) \$40</b>																																																																																																																																																							
<b>SUBMITTED BY</b>		<b>complete (if applicable)</b>																																																																																																																																																							
Typed or Printed Name <b>Steven H. Slater</b>	Reg. Number <b>35,361</b>																																																																																																																																																								
Signature 	Date <b>20 APR 01</b>	Deposit Account User ID <b>20-0668</b>																																																																																																																																																							

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Office, patent and Trademark office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington DC 20231.